EXECUTIVE SUMMARY

Prepared (Date)

Mine Name: Tejon Quarries	**I.D. Number:** M/027/087
Operator: Rocanville Stone	**County:** Millard
Address:	**New/Existing:** Status changing from SMO to LMO
	Mineral Ownership: BLM
	Surface Ownership: BLM
Telephone: 435-864-5242	**Lease No.(s):** UTU-079464-01 & UTU-078279
Contact Person: Mert Hamilton	**Permit Term:** Life of Mine
Telephone: 435-864-5242	

Life of Mine: Permitted for 20 Acres of Disturbance.

Legal Description: Tejon #1 quarry S1/2 of NW ¼, Section 29, T18S, R13W, Tejon #2 S ½ of NE ¼, Section 30, Ne ¼ of SE ¼ Section 30, T18S, R13W, Tejon #3 quarry S ½ of NE ¼, Section 30, W ½ of SE ¼, Section 30, T18S, R13W, Tejon #4 Quarry W1/2 of SE ¼, Section 30, T18S, R13W

Mineral(s) to be Mined: Building Stone.

Mining Methods: Front End Loader and Hand Splitting and Palletizing.

Acres to be Disturbed: 20 Acres total.

Present Land Use: Wildlife and Grazing.

Postmining Land Use: Wildlife and Grazing.

Variances from Reclamation Standards (Rule R647) Granted: None.

Soils and Geology:

Soil Description: Soils are up to ten feet deep in the drainages but very shallow to non-existent on the slopes. Chemical analyses show moderate to high—but not extreme—salt concentrations. Nitrate nitrogen and phosphorous levels are generally low with potassium concentrations being high. All of these are typical of many desert soils.

pH: 7.3 (average of five samples)

Special Handling Problems: None.

Geology Description: The Tejon Quarries are located in the Weeks Limestone of the Cambrian Age. The Weeks Formation is composed of laminated limestone. Weathered limestone is yellowish to reddish gray.

Hydrology:

Ground Water Description: No Groundwater developed within the vicinity of the mine, Groundwater may exist part of the year in the Alluvium of the adjacent drainage but has not been developed or tested.

Surface Water Description: The emphemeral drainage flows adjacent to the road and the mine. The watershed area flows from Amasa Valley and becomes the North Canyon drainage, but only flows in response to snow melts and thunder storms. The Quarries sit adjacent to the drainage and the palletized stone sits in the flood plain, but the drainage is so emphemeral that no impacts have been considered short of maintaining any fuels and greases for equipment in a secure non-polluting environment.

Water Monitoring Plan: None at this time since all runoff is emphemeral in nature and a surface control plan will be in placxe to control erosion.

Ecology:

Vegetation Type(s); Dominant Species: Dominant species include Utah juniper, bluebunch wheatgrass, black sage, Douglas rabbitbrush, and Nevada bluegrass.

Percent Surrounding Vegetative Cover: 60 percent.

Wildlife Concerns: None.

Surface Facilities: None.

Mining and Reclamation Plan Summary:

During Operations:

There are four Quarries(Tejon #1-4) that will be mined based on stone demand related to the color of rock, since each quarry has a different color of stone. This is an open pit operation. Drilling and blasting will be used when necessary to loosen the rock. Limestone will be mined from the highwall faces and floor of the open pits. An excavator will be used to remove stone from the highwall. An excavator or front end loader will be used to pick up and move stone

from the quarry floor to a work area where it will be spread out in thin layers away from the highwall face of the quarry. Unusable material will be placed on the waste dump, at most, 5.5 acres of total waste dumps in five years. Excavators, front end loaders, and/or dozers will be used in the operation. Palletized stone will be transported from the site on flatbed trucks. No ore (saleable stone) stockpiles, tailings facilities, and water storage or treatment ponds are planned for this operation. Net development on all four quarries will be at an average rate of two acres per year.

After Operations:

The quarry will be mined in benches with a maximum of 3 benches or 45 feet of highwall between catch benches. Highwalls are anticipated to have an overall slope of 75 degrees. The overall slope of the quarries will be 45 degrees. Plant growth material consists of subsoil, limestone fines, and some very small quantities of topsoil. Where brush has been cleared to build stone storage areas within each quarry, ridges of plant growth material have been cleared at the edges of the clearings. These ridges of plant growth material will be collected and placed in stockpiles. Overburden will be supplemented with fines from the waste dump to provide enough plant growth material to cover the area to be recovered to 12 inches deep. These areas will be seeded with a seed mix recommended by the Division.

Surety:

Amount: $108,900 total with $58,800 due initially and subsequent payments yearly until the bond is paid.
Form: CD
Renewable Term: yearly until the $108,900 is paid

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